E-CORE GX53-1

This LED MODULE is compact and offers a great light output. Use this module with GX53-1 socket in your creations and get an economical and sustainable light source.

Application:

- Residential lighting
- Retail lighting
- Hospitality lighting

Product details

- Low energy and high efficacy
- Compact form
- Instant light
- Life time 40,000 hours
- Low heat radiation
- Low UV/IR radiation
- Ideal for a wide range of applications

Optical parameters

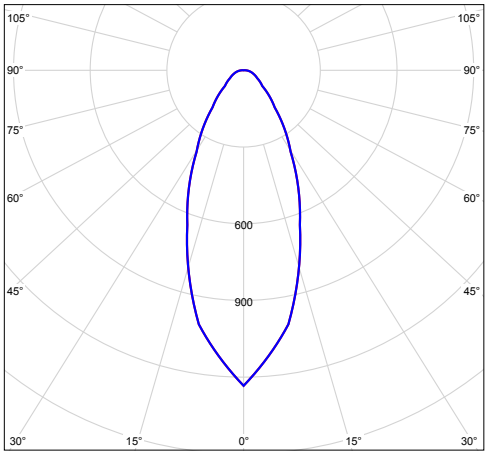
MODEL NAME	E-CORE GX53-1 / 5.7 W			
Product code	LDFEU009C27M50D	LDFEU009C27W50D	LDFEU009C40M50D	LDFEU009C40W50D
Finishing (trim colour)	White	White	White	White
Beam angle	40°	100°	40°	100°
Colour description	Warm white	Warm white	Neutral white	Neutral white
Colour temperature	**2700 K**	**2700 K**	**4000 K**	**4000 K**
Luminous flux (nominal)	510 lm	510 lm	550 lm	550 lm
Colour rendering index (Ra)	Ra 80	Ra 80	Ra 80	Ra 80
Energy Class	A+	A+	A+	A+
Weighted energy consumption	6 kWh / 1000 h	6 kWh / 1000 h	6 kWh / 1000 h	6 kWh / 1000 h

MODEL NAME	E-CORE GX53-1 / 8.3 W			
Product code	LDFEU010C27M50D	LDFEU010C27W50D	LDFEU010C40M50D	LDFEU010C40W50D
Finishing (trim colour)	White	White	White	White
Beam angle	40°	100°	40°	100°
Colour description	Warm white	Warm white	Neutral white	Neutral white
Colour temperature	**2700 K**	**2700 K**	**4000 K**	**4000 K**
Luminous flux (nominal)	700 lm	700 lm	750 lm	750 lm
Colour rendering index (Ra)	Ra 80	Ra 80	Ra 80	Ra 80
Energy Class	A+	A+	A+	A+
Weighted energy consumption	8 kWh / 1000 h	8 kWh / 1000 h	8 kWh / 1000 h	8 kWh / 1000 h

Optical parameters

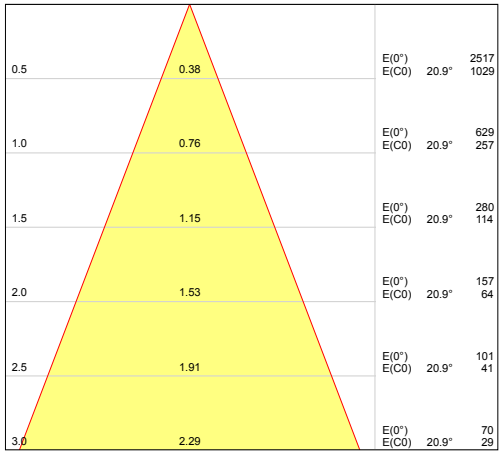
POLAR CANDELA DISTRIBUTION	ILLUMINANCE

LDFEU009C40M50D



cd/klm η = 101%

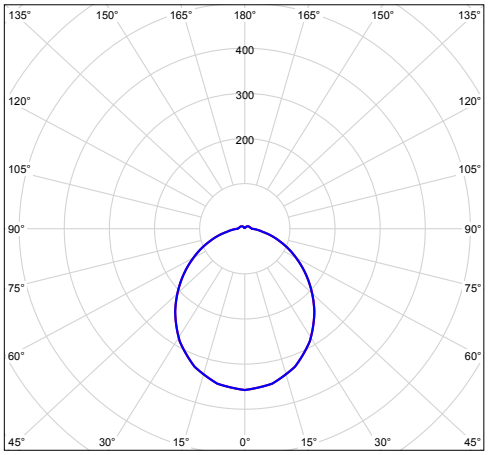
C0 - C180 C90 - C270



Distance [m] Cone Diameter [m] Illuminance [lx]

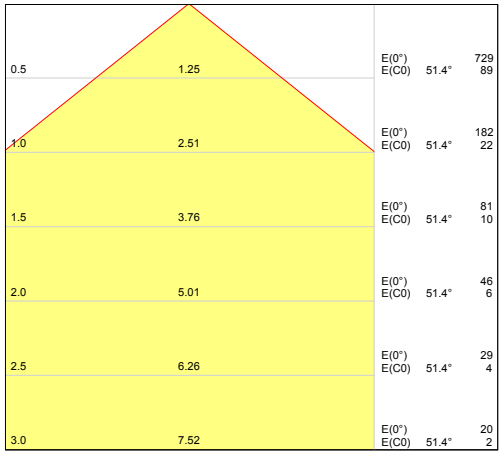
C0 - C180 (Half-value Angle: 41.8°)

LDFEU009C40W50D



cd/klm η = 100%

C0 - C180 C90 - C270



Distance [m] Cone Diameter [m]

C0 - C180 (Half-value Angle: 102.8°)

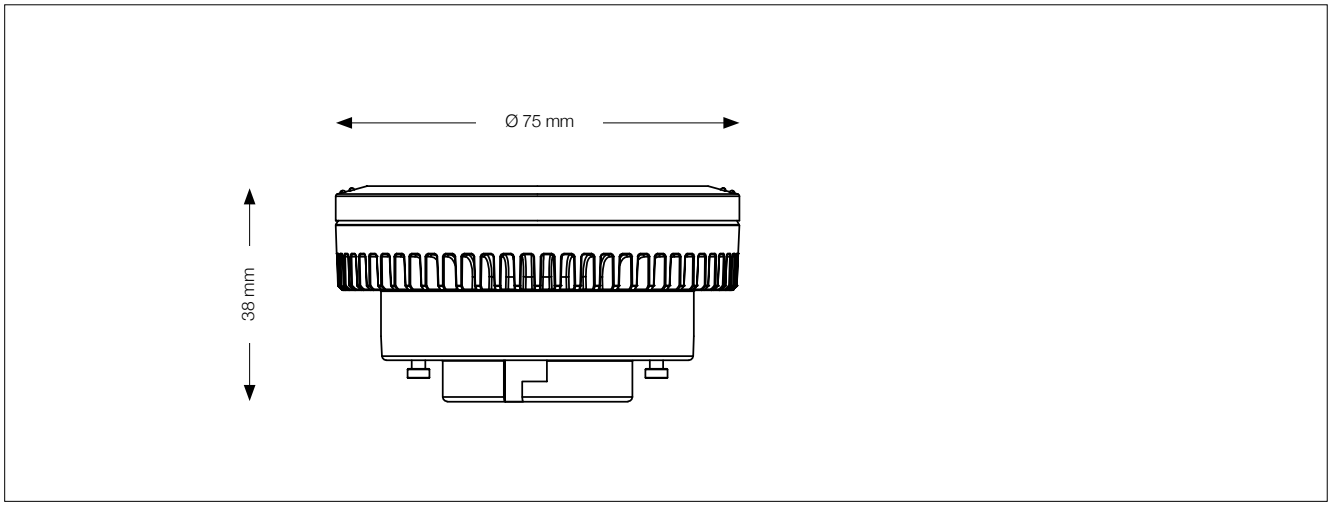
Electrical parameters

MODEL NAME	E-CORE GX53-1
Rated wattage	5.7 W / 8.3 W
System efficacy	84.3 - 96.5 lm/W
Rated voltage	220-240 V
Frequency	50/60 Hz
Power factor	0.55
Rated lifetime	40,000 h
Lumen maintenance	70% at the rated lamp lifetime
Cap	GX53-1
Dimmable	No

Mechanical parameters

MODEL NAME	E-CORE GX53-1
Material	Aluminium
Overall Length	38 mm
Diameter	75 mm
Net weight	100 g
Cap	GX53-1

Drawings



Logistic data

PRODUCT CODE	EAN CODE	DESCRIPTION	SIZE OF PACKAGING (L x H x W)	GROSS WEIGHT
LDFEU009C27M50D	4974550480963	GX53-1, 510 lm, 5.7 W, 2700 K, 40°, 40,000 h	50 x 88 x 90 mm	130g
LDFEU009C27W50D	4974550480970	GX53-1, 510 lm, 5.7 W, 2700 K, 100°, 40,000 h	50 x 88 x 90 mm	130g
LDFEU009C40M50D	4974550480970	GX53-1, 550 lm, 5.7 W, 4000 K, 40°, 40,000 h	50 x 88 x 90 mm	130g
LDFEU009C40W50D	4974550480994	GX53-1, 550 lm, 5.7 W, 4000 K, 100°, 40,000 h	50 x 88 x 90 mm	130g
LDFEU010C27M50D	4974550481007	GX53-1, 700 lm, 8.3 W, 2700 K, 40°, 40,000 h	50 x 88 x 90 mm	135g
LDFEU010C27W50D	4974550481014	GX53-1, 700 lm, 8.3 W, 2700 K, 100°, 40,000 h	50 x 88 x 90 mm	135g
LDFEU010C40M50D	4974550481021	GX53-1, 750 lm, 8.3 W, 4000 K, 40°, 40,000 h	50 x 88 x 90 mm	135g
LDFEU010C40W50D	4974550481038	GX53-1, 750 lm, 8.3 W, 4000 K, 100°, 40,000 h	50 x 88 x 90 mm	135g

Handling and safety information

- Do not cover the lamp with paper, cloth or other easily flammable materials
- Do not expose the lamp to water or high humidity
- Avoid additional mechanical stress on the lamp
- Do not touch the lamp during or shortly after usage. Risk of burn!
- Use only with recommended dimmers
- Ambient temperature range: +5 °C to +40 °C
- Do not look directly into the lamp
- Do not spray pesticide on this lamp
- Please ensure the mains power is disconnected before undertaking any work on the luminaire or lamp

www.toshiba.eu/lighting

10/2014

Product specifications and configurations, and availability of products are subject to change. Variations in product design and product features are subject to change. Colours may vary from illustration. Errors and omissions excepted.
© Copyright 2014 Picture credits: Toshiba, Fotolia.com

TOSHIBA
Leading Innovation